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1. (Currently Amended) A heat-seal polymer film comprising a layer of film formed from a [random copolymer of propylene and ethylene prepared using a metallocene catalyst useful in the polymerization of isotactic polypropylene and without other non-metallocene-catalyzed random copolymers.] metallocene catalyzed, isotactic ethylene-propylene copolymer having a random comonomer distribution, the ethylene present in the ethylene-propylene copolymer in an amount of from about 0.5% to about 30% by weight, wherein the ethylene-propylene copolymer has a DSC melting point temperature of less than about 125°C.

2. (Cancel).

3. (Previously Amended) The heat-seal polymer film of claim 1, wherein the ethylene is present in the random copolymer in an amount of from about 1% to about 15% by weight.

4. (Original) The heat-seal polymer film of claim 1, wherein the film has a seal initiation temperature of from about 80°C to about 125°C defined at a seal strength of 200 g/inch.

5. (Cancel)

6. (Original) The heat-seal polymer film of claim 1, wherein the film has less than 3% haze.

7. (Original) The heat-seal polymer film of claim 1, wherein the film has greater than 85% gloss at a 45° incident angle.

8. (Original) The heat-seal polymer film of claim 1, wherein the random copolymer has a xylene solubles content of less than 5% by weight.
9. (Original) The heat-seal polymer film of claim 1, wherein the layer of film is a cast film.
10. (Original) The heat-seal polymer film of claim 1, wherein the layer of film is an oriented film.
11. (Previously Amended) The heat-seal polymer film of claim 1, wherein the random copolymer has a DSC melting point temperature from about 110° C to about 125° C.
12. (Previously Amended) The heat-seal polymer film of claim 1, wherein the random copolymer is a random terpolymer of propylene, ethylene and at least one other C₄ to C₈ alpha olefin.
13. (Previously Amended) The heat-seal polymer film of claim 12, wherein the at least one other C₄ to C₈ alpha olefin is butene.
14. (Previously Amended) The heat-seal polymer film of claim 1, wherein the heat-seal film has an ultimate seal strength that is at least 30% greater than a heat-seal film prepared under similar conditions from a random copolymer of propylene and ethylene using a Ziegler-Natta catalyst useful in the polymerization of isotactic polypropylene.
15. (Original) The heat-seal polymer film of claim 1, wherein the heat-seal film is a cast film and provides a hot-tack seal strength above 0.4 N/cm at a temperature range of from 60°C to 130°C.
16. (Currently Amended) A multi-layer polymer film comprising a polyolefin core layer and at least one heat-seal layer formed from a [random copolymer of propylene and

B] ethylene prepared using a metallocene catalyst useful in the polymerization of isotactic polypropylene and without other non-metallocene-catalyzed random copolymers] metallocene catalyzed, isotactic ethylene-propylene copolymer having a random comonomer distribution, the ethylene present in the ethylene-propylene copolymer in an amount of from about 0.5% to about 30% by weight, wherein the ethylene-propylene copolymer has a DSC melting point temperature of less than about 125°C that is joined to the polyolefin core layer.

17. (Original) The multi-layer polymer film of claim 16, wherein the core layer and heat-seal layer are coextruded together.

18. (Original) The multi-layer polymer film of claim 16, wherein the heat-seal layer has a thickness that is less than the thickness of the core layer.

19. (Original) The multi-layer polymer film of claim 16, wherein the heat-seal layer has a thickness that is 20% or less than the thickness of the core layer.

20. (Cancel)

21. (Previously Amended) The multi-layer polymer film of claim 16, wherein the ethylene is present in the random copolymer in an amount from about 1% to about 15% by weight.

22. (Original) The multi-layer polymer film of claim 16, wherein the heat-seal layer has a seal initiation temperature of from about 80°C to about 125°C defined at a seal strength of 200 g/inch.

23. (Cancel).

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24. (Previously Amended) The multi-layer polymer film of claim 16, wherein the heat-seal layer provides an ultimate seal strength that is at least 30% greater than a heat-seal layer prepared under similar conditions from a random copolymer of propylene and ethylene using a Ziegler-Natta catalyst useful in the polymerization of isotactic polypropylene.
25. (Previously Amended) The multi-layer polymer film of claim 16, wherein the random copolymer has a DSC melting point of from about 110°C to about 125°C.
26. (Previously Amended) The multi-layer polymer film of claim 16, wherein the random copolymer is a random terpolymer of propylene, ethylene and at least one other C₄ to C₈ alpha olefin.
27. (Previously Amended) The multi-layer polymer film of claim 26, wherein the at least one other C₄ to C₈ alpha olefin is butene.
28. (Original) The multi-layer polymer film of claim 16, wherein the heat-seal layer is a cast film layer and provides a hot-tack seal strength above 0.4 N/cm at a temperature range of from 60°C to 130°C.
29. (Currently Amended) A material for use in heat-seal applications comprising a [random copolymer of propylene and ethylene prepared using a metallocene catalyst useful in the polymerization of isotactic polypolypropylene and without other non-metallocene-catalyzed random copolymers] metallocene catalyzed, isotactic ethylene-propylene copolymer having a random comonomer distribution, the ethylene present in the ethylene-propylene copolymer in an amount of from about 0.5% to about 30% by weight, wherein the ethylene-propylene copolymer has a DSC melting point temperature of less than about 125°C.

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30. (Previously Amended) The material of claim 29, wherein the material provides a heat-seal film having an ultimate seal strength that is at least 30% greater than a heat-seal film prepared under similar conditions from a copolymer of propylene and ethylene using a Ziegler-Natta catalyst useful in the polymerization of isotactic polypropylene.

31. (Cancel).

32. (Previously Amended) The material of claim 29, wherein the ethylene is present in the random copolymer in an amount of from about 1% to about 15% by weight.

33. (Original) The material of claim 29, wherein the material provides a heat-seal film having a seal initiation temperature of from about 80°C to about 125°C defined at a seal strength of 200 g/inch.

34. (Cancel).

35. (Original) The material of claim 29, wherein the material provides a heat-seal film having less than 3% haze.

36. (Original) The material of claim 29, wherein the material provides a heat-seal film having greater than 85% gloss at a 45° incident angle.

37. (Original) The material of claim 29, wherein the random copolymer has a xylene solubles content of less than 5% by weight.

38. (Previously Amended) The material of claim 29, wherein the random copolymer has a DSC melting point of from about 110°C to about 125°C.

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39. (Previously Amended) The material of claim 29, wherein the random copolymer is a random terpolymer of propylene, ethylene and at least one other C₄ to C₈ alpha olefin.

40. (Previously Amended) The material of claim 39, wherein the at least one other C₄ to C₈ alpha olefin is butene.

41. (Original) The material of claim 29, wherein the material provides a cast heat-seal film having a hot-tack seal strength above 0.4 N/cm at a temperature range of from 60°C to 130°C.

42. (Currently Amended) A method of forming a heat-seal film comprising:
providing a [random copolymer of propylene and ethylene prepared using a metallocene catalyst useful in the polymerization of isotactic polypropylene without other non-metallocene-catalyzed random copolymers] metallocene catalyzed, isotactic ethylene-propylene copolymer having a random comonomer distribution, the ethylene present in the ethylene-propylene copolymer in an amount of from about 0.5% to about 30% by weight, wherein the ethylene-propylene copolymer has a DSC melting point temperature of less than about 125° C; and
forming the [random] copolymer into a layer of film.

